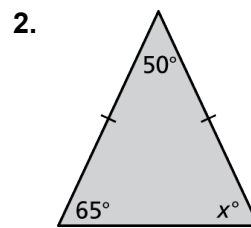
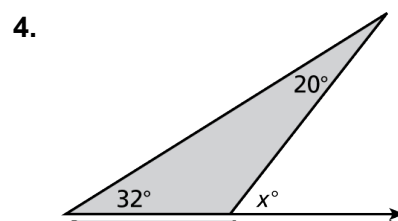
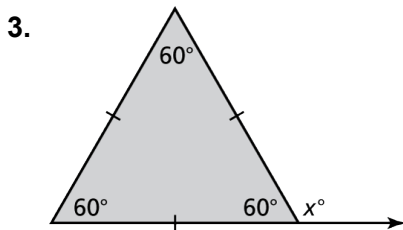


3.2 Practice A

Find the measures of the interior angles.



Find the measure of the exterior angle.

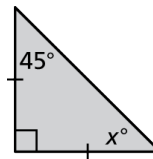
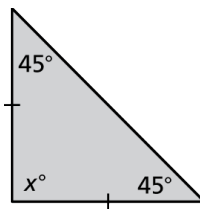
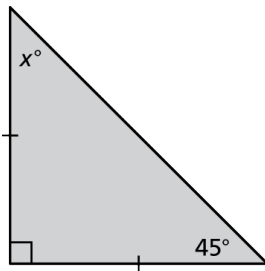


Tell whether a triangle can have the given angle measures. If not, change the first angle measure so that the angle measures form a triangle.

5. 36.9° , 110.4° , 33.7°

6. 62° , $44\frac{3}{4}^\circ$, $73\frac{1}{4}^\circ$

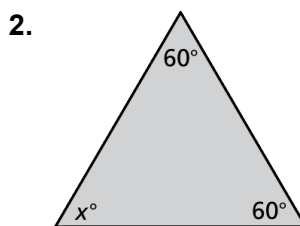
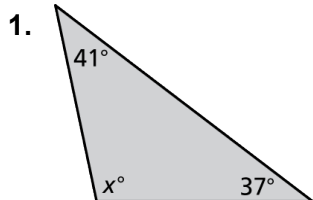
7. Consider the three isosceles right triangles.



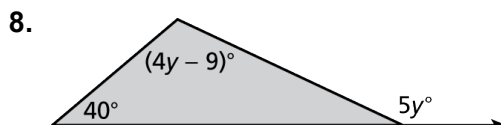
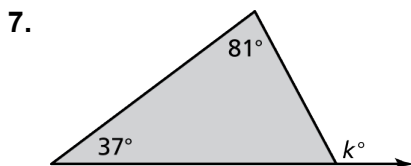
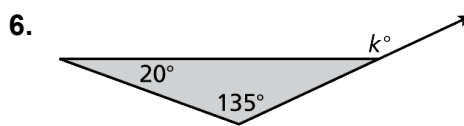
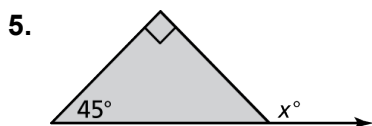
- Find the value of x for each triangle.
- What do you notice about the interior angle measures of each triangle?
- Write a rule about the interior angle measures of an isosceles right triangle.

3.2 Practice B

Find the measures of the interior angles.



Find the measure of the exterior angle.



9. The ratio of the interior angle measures of a triangle is 1 : 4 : 5. What are the angle measures?
10. A right triangle has a exterior angles with a measure of 160° . Can you determine the measures of the interior angles? Explain.